INTERNATIONAL SEARCH REPORT

ational Application No PCT/IB2004/051351

A. CLASSIFICATION OF SUBJECT MATTER
1PC 7 H01L23/552 H01L23/367

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

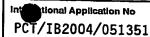
 $\begin{array}{ll} \mbox{Minimum documentation searched (classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{H01L} \end{array}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

	ternal, WPI Data			
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C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of	the relevant passages	Relevant to claim No.	
X	US 5 977 626 A (LEE RONG-SHEN 2 November 1999 (1999-11-02) column 1, lines 10-35	ET AL)	1-3, 5-10, 12-16	
	column 2, lines 10-35 column 2, line 65 - column 4, figures 2-6	line 30;		
Y	column 5, lines 4-15		4,11	
Y	US 6 229 702 B1 (CHAO SHIN-HU 8 May 2001 (2001-05-08)	A ET AL)	4,11	
X	column 2, line 65 - column 3, figures 1-3	line 62;	1,3-5,8, 10,11	
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<u> </u>	hander weather an Neted in the continuality of her O	D. Dalandersky sambassa		
<u> </u>	her documents are listed in the continuation of box C.	χ Patent family members a	are listed in annex.	
' Special ca 'A' docume consid	ategories of cited documents : ent defining the general state of the art which is not dered to be of particular relevance	"T" later document published after or priority date and not in concited to understand the principle invention	er the international filing date nflict with the application but clple or theory underlying the	
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C.(Contle	Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.
X		
X	US 2003/089983 A1 (KO ERIC ET AL) 15 May 2003 (2003-05-15) paragraphs '0003!, '0004!, '0009!,	1-3, 5-10, 12-16
	'0011! - '0013! paragraphs '0023! - '0027!; figure 1 paragraph '0030!: figure 30	
Υ	paragraphs '0033! - '0035!; figures 3E,3F paragraphs '0037!, '0038!; figure 4	4,11
X	US 5 166 772 A (SOLDNER KEITH D ET AL) 24 November 1992 (1992-11-24) column 1, line 34 - column 2, line 11 column 2, line 60 - column 4, line 33; figures 1-3	1-3,5, 8-10,12
X	EP 0 435 530 A (GEN ELECTRIC) 3 July 1991 (1991-07-03) page 5, lines 6-41 column 2, line 60 - column 4, line 33; figures 1,2 page 6, line 20 - page 7, line 21; figure 2a page 8, line 9 - page 9, line 26; figures 6,7	1-5,8-11
Ρ,Χ	EP 1 347 513 A (BROADCOM CORP) 24 September 2003 (2003-09-24) paragraphs '0003! - '0025! paragraphs '0117! - '0126!, '0135! - '0143! paragraphs '0144! - '0165!; figures 7A-7F paragraphs '0166! - '0171!; figures 8A-8D paragraphs '0172! - '0175!; figure 9A paragraphs '0180! - '0185!; figures 11A-11C paragraphs '0189! - '0193!; figure 13E paragraphs '0195! - '0198!; figure 15A paragraphs '0205! - '0220!	1-16
A	US 5 309 321 A (OLLA MICHAEL A ET AL) 3 May 1994 (1994-05-03)	1-16
A	column 2, line 26 – column 3, line 48; figures 1,2,4	9
A	US 4 814 943 A (OKUAKI HIROSHI) 21 March 1989 (1989-03-21) column 4, lines 10-33; figures 6,7	4,9,11